## What is claimed is:

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1.	An electroluminescence element comprising
an	anode:

- an electroluminescent film containing an organic compound capable of generating electroluminescence, over the anode;
  - a floating electrode over the electroluminescent film;
  - an electron transport supporting layer over the floating electrode; and
  - a cathode over the electron transport supporting layer,
- wherein at least one of the electroluminescent film and the electron transport supporting layer contains a hole blocking material.
  - 2. An electroluminescence element according to claim 1, wherein the cathode comprises a conductive film formed by sputtering.
  - 3. An electroluminescence element according to claim 1, wherein the cathode comprises a translucent conductive film formed by sputtering.
- 4. An electroluminescence element according to claim 1, wherein the hole blocking material has an ionization potential of 5.8 eV or more.
  - 5. An electroluminescence element according to claim 1, wherein the hole blocking material is an organic compound containing a phenanthroline skeleton or a penta-coordinate type metal complex having an element belonging to Group 13 of the periodic table as a central metal.
  - 6. An electroluminescence element according to claim 1, wherein the cathode comprises a conductive material having a work function of 3.5 eV or more.
  - 7. An electroluminescence element according to claim 1, wherein the electron

transport supporting layer comprises an electron-transportable material having an electron mobility which is lager than a hole mobility.

- 8. An electroluminescence element according to claim 1, wherein the floating electrode comprises a conductive material having a work function of 3.5 eV or less.
  - 9. An electroluminescence element according to claim 1, wherein the floating electrode comprises an insulating film formed contacted with the electroluminescence film and a conductive film contacted with the electron transport supporting layer.

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- 10. An electroluminescence element according to claim 1, wherein the electron transport supporting layer has a film thickness in the range of 10 nm to 1  $\mu$ m.
- 11. An electroluminescence element according to claim 1, wherein the electroluminescence element is incorporated into a light emitting device.
  - 12. An electroluminescence element according to claim 1, wherein the electroluminescence element is incorporated into an electric appliance selected from the group consisting of a personal computer, a video camera, a mobile computer, a player, a digital camera, a cell phone, a portable book, and a display.
    - 13. An electroluminescence element comprising:

an cathode;

- an electroluminescent film containing an organic compound capable of generating electroluminescence, over the cathode;
  - a floating electrode over the electroluminescent film;
  - an electron transport supporting layer over the floating electrode; and
  - a anode over the electron transport supporting layer,
- wherein at least one of the electroluminescent film and the electron transport supporting layer contains a hole blocking material.

- 14. An electroluminescence element according to claim 13, wherein the cathode comprises a conductive film formed by sputtering.
- 5 15. An electroluminescence element according to claim 13, wherein the cathode comprises a translucent conductive film formed by sputtering.
  - 16. An electroluminescence element according to claim 13, wherein the hole blocking material has an ionization potential of 5.8 eV or more.

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17. An electroluminescence element according to claim 13, wherein the hole blocking material is an organic compound containing a phenanthroline skeleton or a penta-coordinate type metal complex having an element belonging to Group 13 of the periodic table as a central metal.

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- 18. An electroluminescence element according to claim 13, wherein the cathode comprises a conductive material having a work function of 3.5 eV or more.
- 19. An electroluminescence element according to claim 13, wherein the electron transport supporting layer comprises an electron-transportable material having an electron mobility which is lager than a hole mobility.
  - 20. An electroluminescence element according to claim 13, wherein the floating electrode comprises a conductive material having a work function of 3.5 eV or less.
  - 21. An electroluminescence element according to claim 13, wherein the floating electrode comprises an insulating film formed contacted with the electroluminescence film and a conductive film contacted with the electron transport supporting layer.

- 22. An electroluminescence element according to claim 13, wherein the electron transport supporting layer has a film thickness in the range of 10 nm to 1  $\mu$ m.
- 5 23. An electroluminescence element according to claim 13, wherein the electroluminescence element is incorporated into a light emitting device.
  - 24. An electroluminescence element according to claim 13, wherein the electroluminescence element is incorporated into an electric appliance selected from the group consisting of a personal computer, a video camera, a mobile computer, a player, a digital camera, a cell phone, a portable book, and a display.
    - 25. An electroluminescence element comprising: an cathode;
- an electroluminescent film containing an organic compound capable of generating electroluminescence, over the cathde;
  - a floating electrode over the electroluminescent film;
  - an electron transport supporting layer over the floating electrode; and
  - a anode over the electron transport supporting layer,

- wherein at least one of the electroluminescent film and the electron transport supporting layer contains a hole blocking material.
  - 26. An electroluminescence element according to claim 25, wherein the cathode comprises a conductive film formed by sputtering.
  - 27. An electroluminescence element according to claim 25, wherein the cathode comprises a translucent conductive film formed by sputtering.
- 28. An electroluminescence element according to claim 25, wherein the hole blocking material has an ionization potential of 5.8 eV or more.

- 29. An electroluminescence element according to claim 25, wherein the hole blocking material is an organic compound containing a phenanthroline skeleton or a penta-coordinate type metal complex having an element belonging to Group 13 of the periodic table as a central metal.
- 30. An electroluminescence element according to claim 25, wherein the cathode comprises a conductive material having a work function of 3.5 eV or more.
- 31. An electroluminescence element according to claim 25, wherein the electron transport supporting layer comprises an electron-transportable material having an electron mobility which is lager than a hole mobility.
- 32. An electroluminescence element according to claim 25, wherein the floating electrode comprises a conductive material having a work function of 3.5 eV or less.
- 33. An electroluminescence element according to claim 25, wherein the floating electrode comprises an insulating film formed contacted with the electroluminescence film and a conductive film contacted with the electron transport supporting layer.
  - 34. An electroluminescence element according to claim 25, wherein the electron transport supporting layer has a film thickness in the range of 10 nm to 1  $\mu$ m.

- 35. An electroluminescence element according to claim 25, wherein the electroluminescence element is incorporated into a light emitting device.
- 36. An electroluminescence element according to claim 25, wherein the electroluminescence element is incorporated into an electric appliance selected from the

group consisting of a personal computer, a video camera, a mobile computer, a player, a digital camera, a cell phone, a portable book, and a display.

37. An electroluminescence element comprising:

an anode;

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an electroluminescent film containing an organic compound that generates electroluminescence, over the anode;

an electron transporting layer over the electroluminescent film;

a floating electrode over the electron transporting layer;

an electron transport supporting layer over the floating electrode;

a cathode over the electron transport supporting layer,

wherein at least one of the electroluminescent film and the electron transport supporting layer contains a hole blocking material.

- 38. An electroluminescence element according to claim 37, wherein the cathode comprises a conductive film formed by sputtering.
  - 39. An electroluminescence element according to claim 37, wherein the cathode comprises a translucent conductive film formed by sputtering.
  - 40. An electroluminescence element according to claim 37, wherein the hole blocking material has an ionization potential of 5.8 eV or more.
- 41. An electroluminescence element according to claim 37, wherein the hole blocking material is an organic compound containing a phenanthroline skeleton or a penta-coordinate type metal complex having an element belonging to Group 13 of the periodic table as a central metal.
- 42. An electroluminescence element according to claim 37, wherein the cathode comprises a conductive material having a work function of 3.5 eV or more.

43. An electroluminescence element according to claim 37, wherein the electron transport supporting layer comprises an electron-transportable material having an electron mobility which is lager than a hole mobility.

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44. An electroluminescence element according to claim 37, wherein the floating electrode comprises a conductive material having a work function of 3.5 eV or less.

45. An electroluminescence element according to claim 37, wherein the floating electrode comprises an insulating film formed contacted with the electroluminescence film and a conductive film contacted with the electron transport supporting layer.

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46. An electroluminescence element according to claim 37, wherein the electron transport supporting layer has a film thickness in the range of 10 nm to 1  $\mu$ m.

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47. An electroluminescence element according to claim 37, wherein the electroluminescence element is incorporated into a light emitting device.

48. An electroluminescence element according to claim 37, wherein the electroluminescence element is incorporated into an electric appliance selected from the group consisting of a personal computer, a video camera, a mobile computer, a player, a digital camera, a cell phone, a portable book, and a display.

- 49. An electroluminescence element comprising:
- a cathode;
- an electron transport supporting layer over the cathode;
- a floating electrode over the electron transport supporting layer;
- an electron transporting layer over the floating electrode;

an electroluminescent film containing an organic compound that generates electroluminescence, over the electron transporting layer; and

an anode over the electroluminescent film.

- 50. An electroluminescence element according to claim 49, wherein the 5 cathode comprises a conductive film formed by sputtering.
  - 51. An electroluminescence element according to claim 49, wherein the cathode comprises a translucent conductive film formed by sputtering.

52. An electroluminescence element according to claim 49, wherein the hole blocking material has an ionization potential of 5.8 eV or more.

- 53. An electroluminescence element according to claim 49, wherein the hole 15 blocking material is an organic compound containing a phenanthroline skeleton or a penta-coordinate type metal complex having an element belonging to Group 13 of the periodic table as a central metal.
- 54. An electroluminescence element according to claim 49, wherein the cathode comprises a conductive material having a work function of 3.5 eV or more.
  - 55. An electroluminescence element according to claim 49, wherein the electron transport supporting layer comprises an electron-transportable material having an electron mobility which is lager than a hole mobility.

56. An electroluminescence element according to claim 49, wherein the floating electrode comprises a conductive material having a work function of 3.5 eV or less.

57. An electroluminescence element according to claim 49, wherein the 30

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floating electrode comprises an insulating film formed contacted with the electroluminescence film and a conductive film contacted with the electron transport supporting layer.

- 58. An electroluminescence element according to claim 49, wherein the electron transport supporting layer has a film thickness in the range of 10 nm to 1 μm.
  - 59. An electroluminescence element according to claim 49, wherein the electroluminescence element is incorporated into a light emitting device.

60. An electroluminescence element according to claim 49, wherein the electroluminescence element is incorporated into an electric appliance selected from the group consisting of a personal computer, a video camera, a mobile computer, a player, a digital camera, a cell phone, a portable book, and a display.

61. An electroluminescence element comprising:

a cathode;

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an electron transport supporting layer over the cathode;

a floating electrode over the electron transport supporting layer;

an electron transporting layer over the floating electrode;

an electroluminescent film containing an organic compound that generates electroluminescence, over the electron transporting layer; and an anode over the electroluminescent film,

wherein at least one of the electroluminescent film and the electron transport supporting layer contains a hole blocking material.

- 62. An electroluminescence element according to claim 61, wherein the cathode comprises a conductive film formed by sputtering.
- 30 63. An electroluminescence element according to claim 61, wherein the

cathode comprises a translucent conductive film formed by sputtering.

64. An electroluminescence element according to claim 61, wherein the hole blocking material has an ionization potential of 5.8 eV or more.

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65. An electroluminescence element according to claim 61, wherein the hole blocking material is an organic compound containing a phenanthroline skeleton or a penta-coordinate type metal complex having an element belonging to Group 13 of the periodic table as a central metal.

- 66. An electroluminescence element according to claim 61, wherein the cathode comprises a conductive material having a work function of 3.5 eV or more.
- 67. An electroluminescence element according to claim 61, wherein the electron transport supporting layer comprises an electron-transportable material having an electron mobility which is lager than a hole mobility.
- 68. An electroluminescence element according to claim 61, wherein the floating electrode comprises a conductive material having a work function of 3.5 eV or less.
  - 69. An electroluminescence element according to claim 61, wherein the floating electrode comprises an insulating film formed contacted with the electroluminescence film and a conductive film contacted with the electron transport supporting layer.
  - 70. An electroluminescence element according to claim 61, wherein the electron transport supporting layer has a film thickness in the range of 10 nm to 1  $\mu$ m.
- 71. An electroluminescence element according to claim 61, wherein the

electroluminescence element is incorporated into a light emitting device.

72. An electroluminescence element according to claim 61, wherein the electroluminescence element is incorporated into an electric appliance selected from the group consisting of a personal computer, a video camera, a mobile computer, a player, a digital camera, a cell phone, a portable book, and a display.